What makes you happy?

(A Data Visualisation Project)

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Reasons behind our happiness?

Age

Family time

Work time

Health

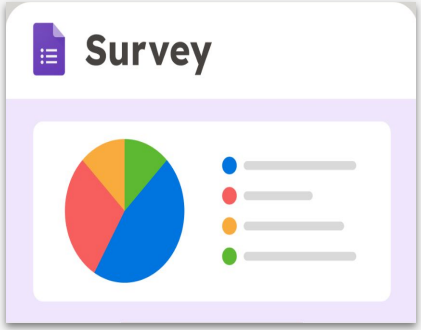
Hobbies time

Friends time

...?

The **Data Visualization** was done using **R programming** language to study how a person's happiness is affected by certain factors.

Collection and Preprocessing of the Data



250+ responses

- The survey consisted of questions based on **age, residence, gender** etc., of the respondents and the **time they spent on various activities** in a day.
- **250+** responses were received from respondents of varying backgrounds and **ages between 15-60.**
- Time variables were replaced with **average percentages**.The data was cleaned and modified into **2 datasets**, namely **“diverse” and “constrained”**.

Datasets

Constrained Data (232 observations):

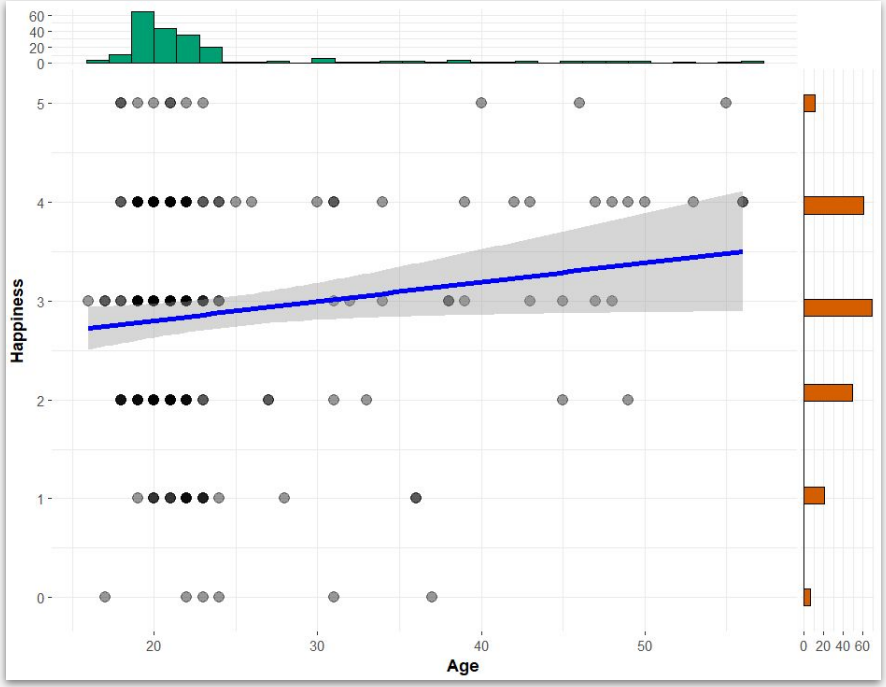
Age	Gender	Annual Income	Current Residence	Student	Employment Status	Study or Work	Hobbies time	People Time	Personal needs	Health affect Happiness	Overall Happiness
38.00	Male	12.00	Urban	No	Full Time Employed	42.71	7.29	17.71	32.29	4.00	4.00
48.00	Male	12.00	Urban	No	Full Time Employed	30.21	1.04	17.71	51.04	1.00	4.00
50.00	Male	12.00	Urban	No	Full Time Employed	42.71	7.29	7.29	42.71	1.00	4.00
23.00	Male	12.00	Urban	No	Full Time Employed	17.71	30.21	17.71	34.38	4.00	2.00
38.00	Male	9.00	Urban	No	Full Time Employed	30.21	1.04	17.71	51.04	4.00	3.00
26.00	Male	9.00	Urban	No	Full Time Employed	30.21	17.71	7.29	44.79	1.00	4.00
34.00	Male	12.00	Urban	No	Full Time Employed	30.21	7.29	17.71	44.79	1.00	3.00

Diverse Data (217 observations):

Age	Gender	Annual Income	Current Residence	Student	Employment Status	Study or Work	Hobbies time	Family time	Partner time	Friends time	Needs	Health	Overall Happiness
48.00	Male	12.00	Urban	No	Full Time Employed	30.21	1.04	17.71	17.71	7.29	26.04	1.00	4.00
50.00	Male	12.00	Urban	No	Full Time Employed	42.71	7.29	7.29	7.29	7.29	28.13	1.00	4.00
23.00	Male	12.00	Urban	No	Full Time Employed	17.71	30.21	1.04	1.04	17.71	32.29	4.00	2.00
38.00	Male	9.00	Urban	No	Full Time Employed	30.21	1.04	17.71	17.71	1.04	32.29	4.00	3.00
26.00	Male	9.00	Urban	No	Full Time Employed	30.21	17.71	7.29	1.04	7.29	36.46	1.00	4.00
34.00	Male	12.00	Urban	No	Full Time Employed	30.21	7.29	7.29	17.71	1.04	36.46	1.00	3.00
23.00	Male	12.00	Urban	No	Full Time Employed	50.00	1.04	1.04	7.29	1.04	39.58	4.00	3.00

Data Visualisation

Age v/s Happiness



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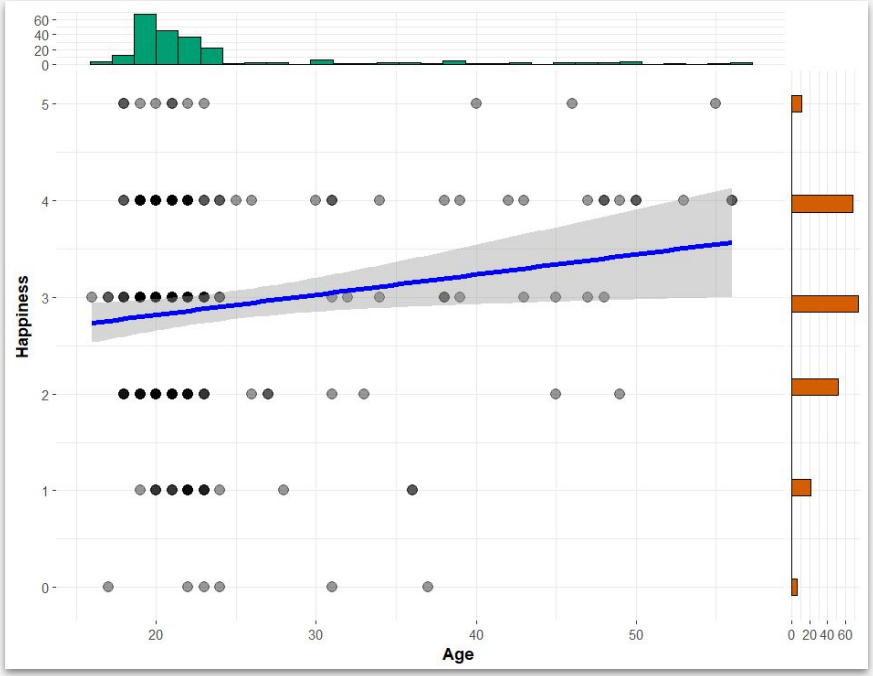

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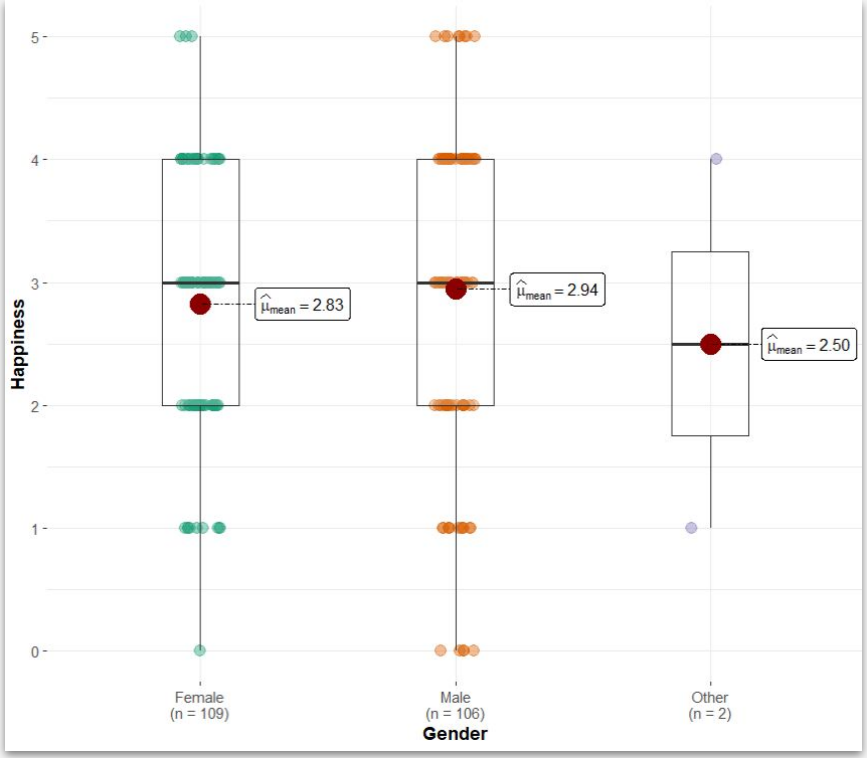
Gender v/s Happiness



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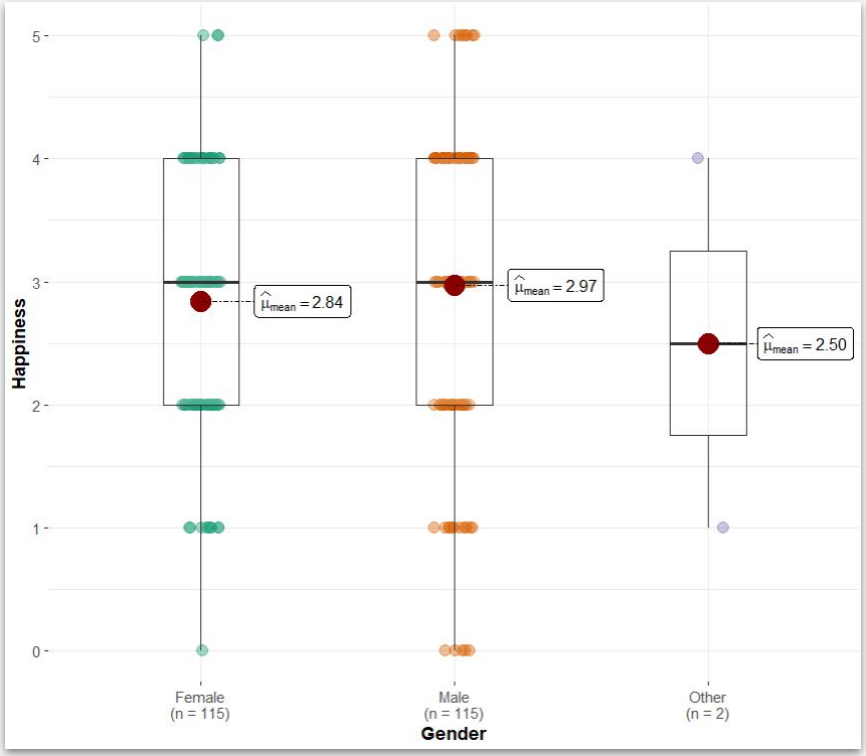

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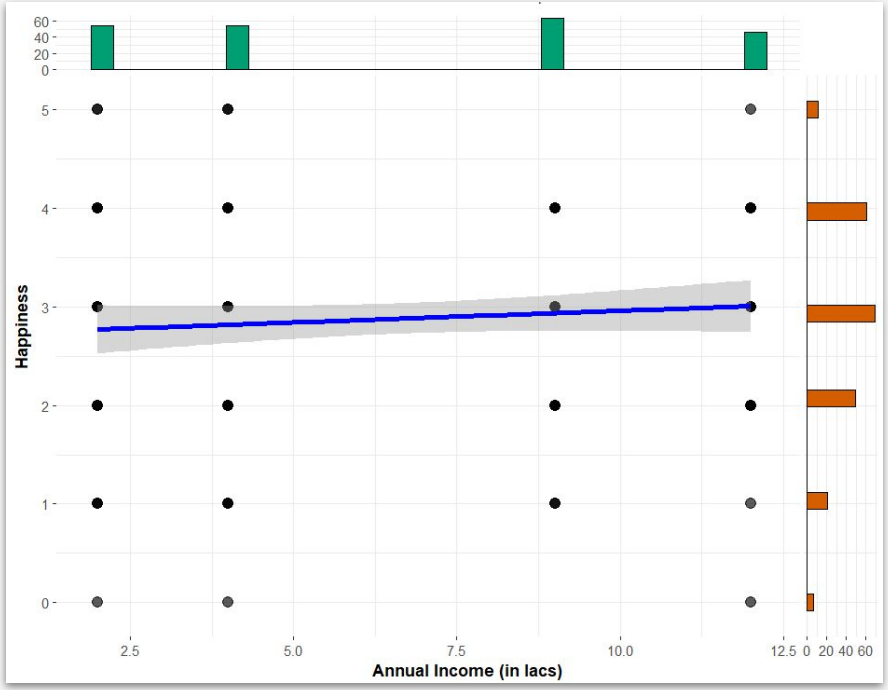
Annual Income v/s Happiness



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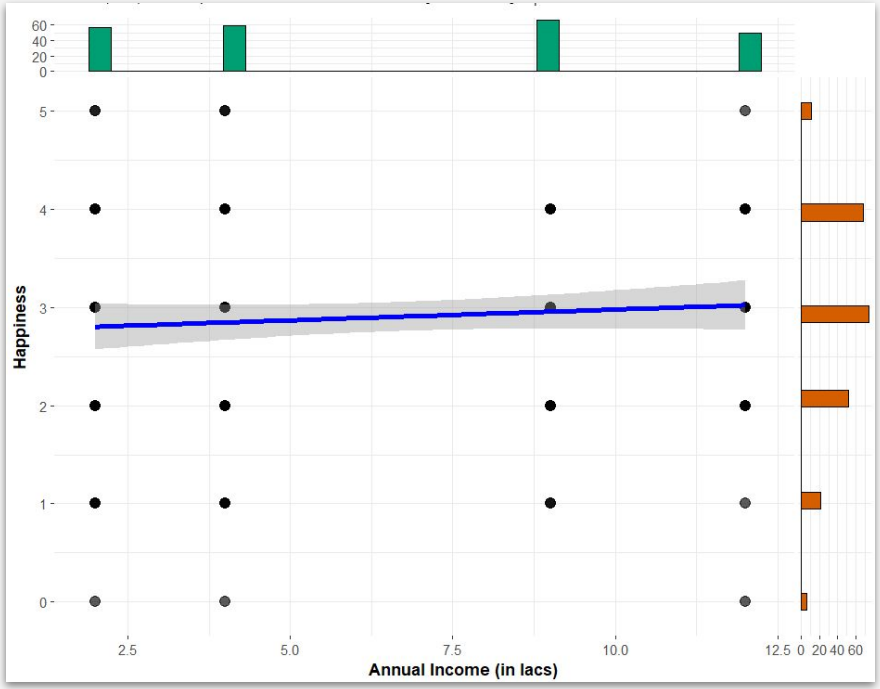

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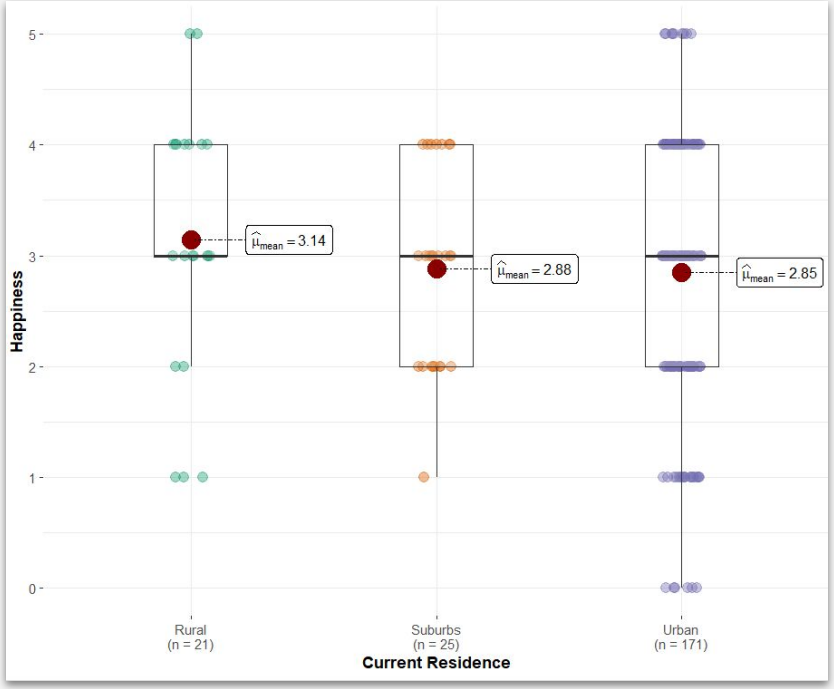
Current Residence v/s Happiness



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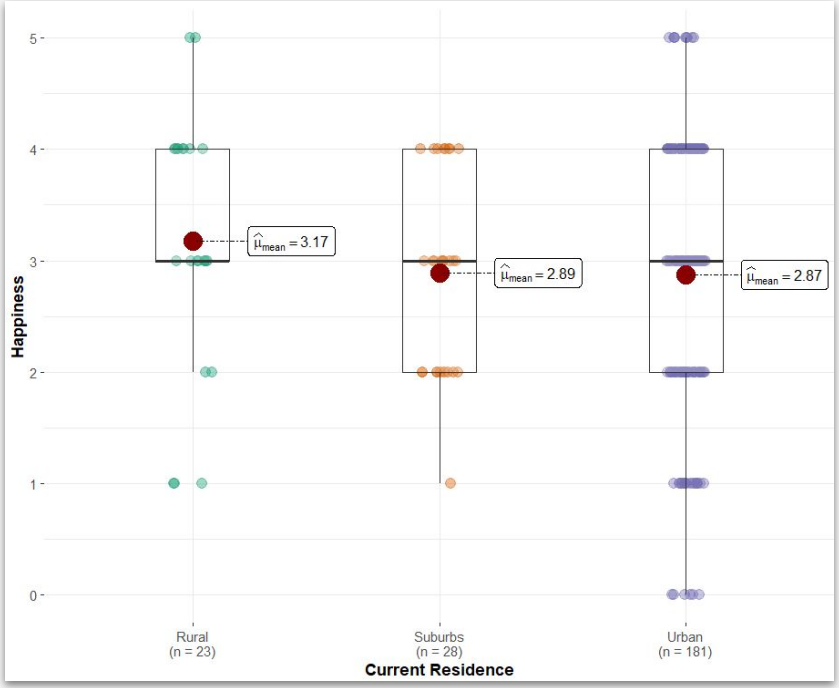

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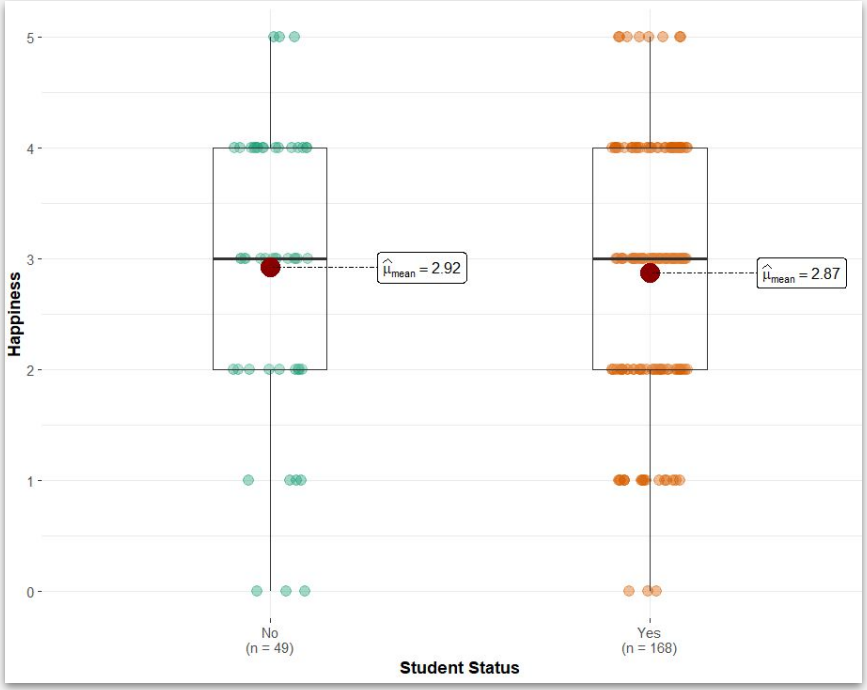
Student Status v/s Happiness



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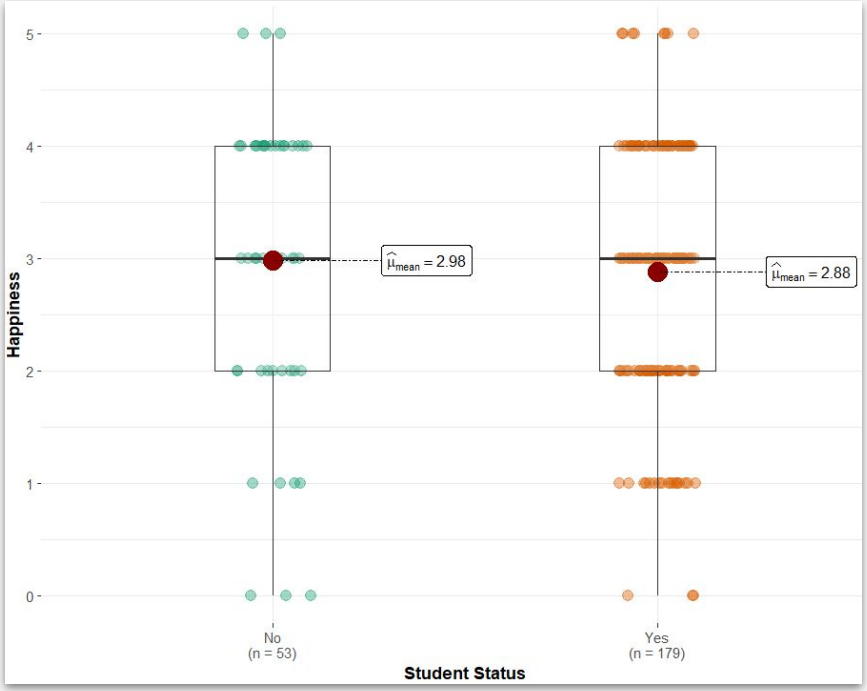

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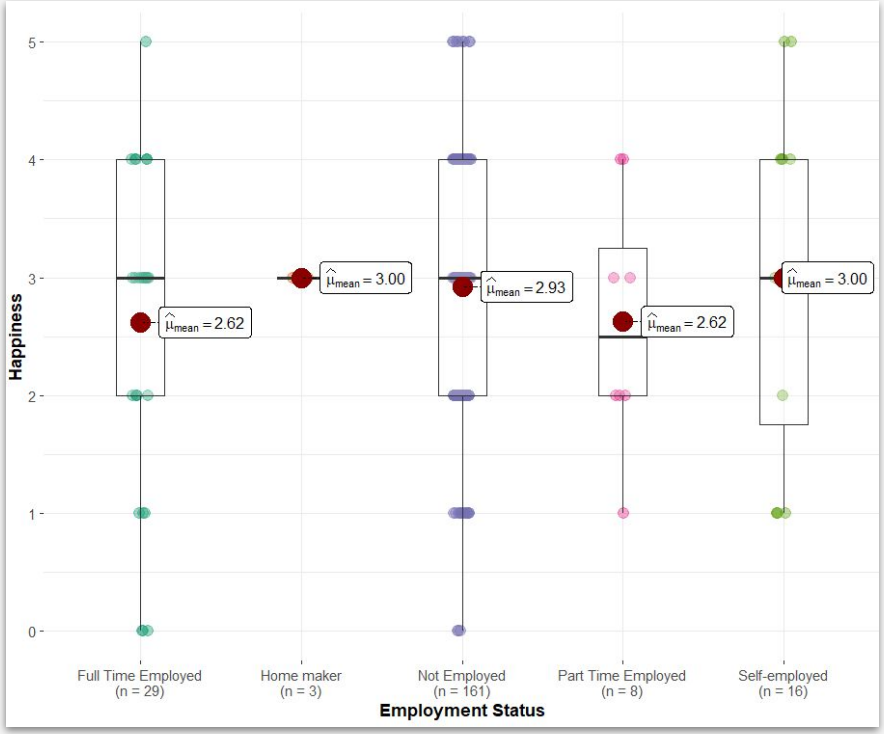
Employment Status v/s Happiness



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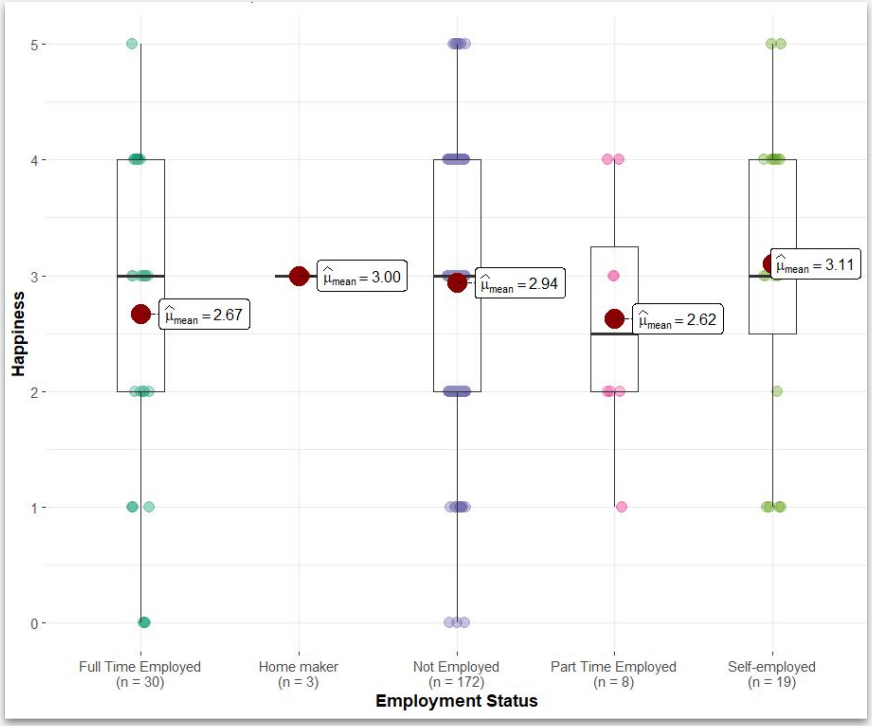

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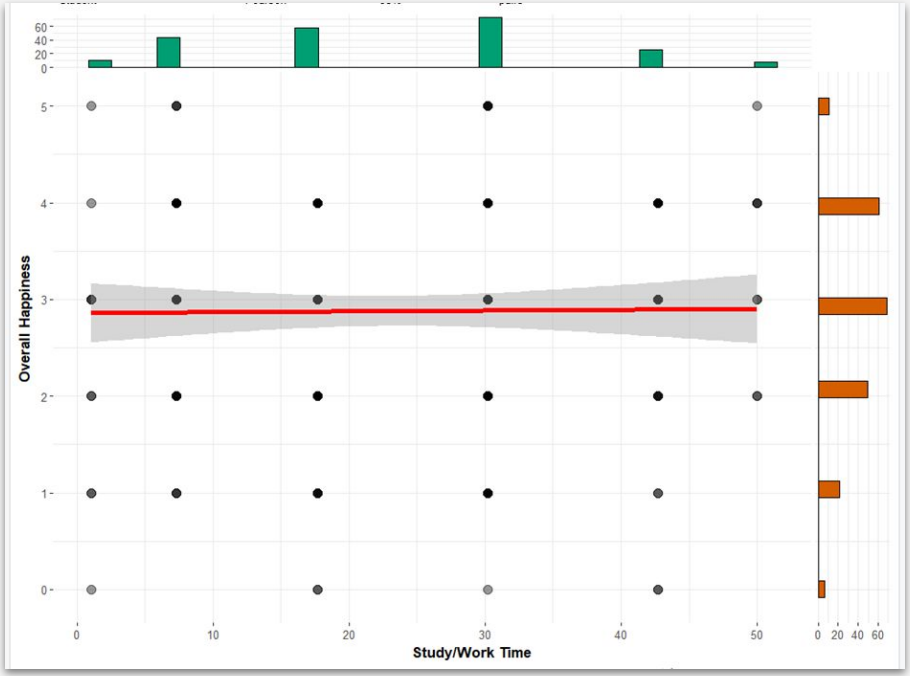
Time spent on Study or Work v/s Happiness



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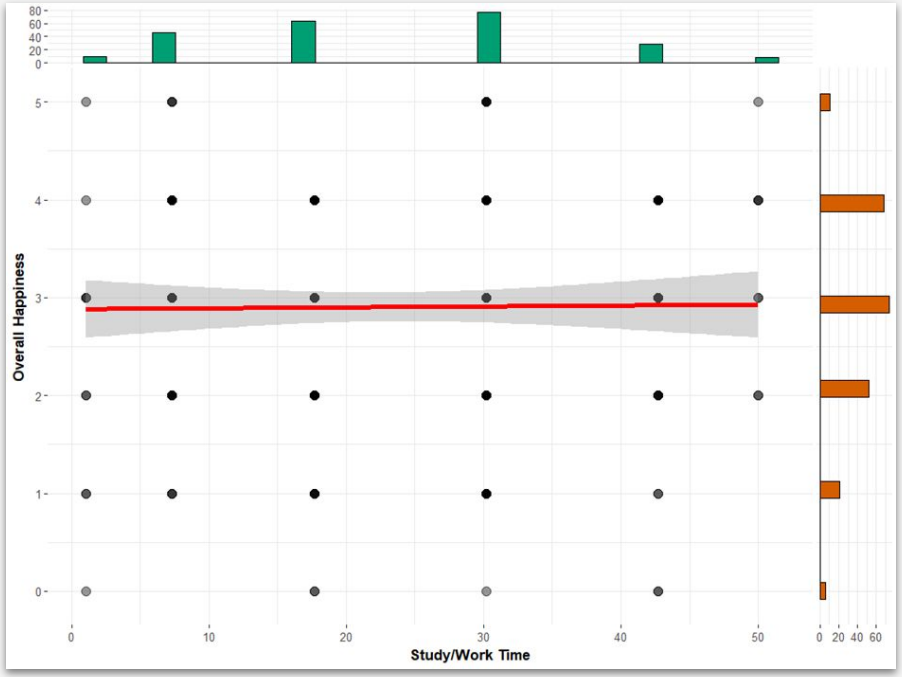

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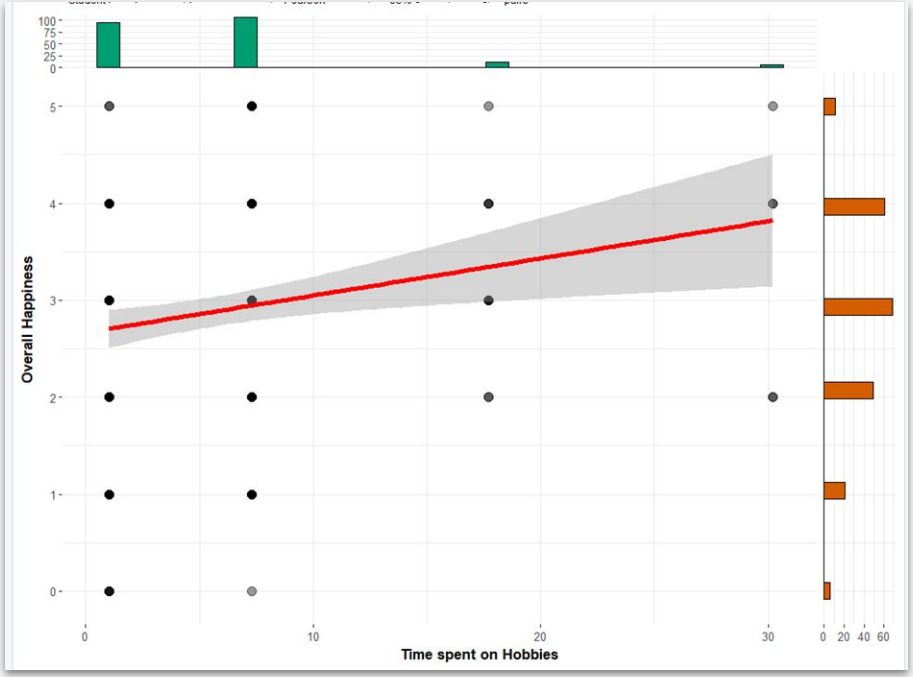
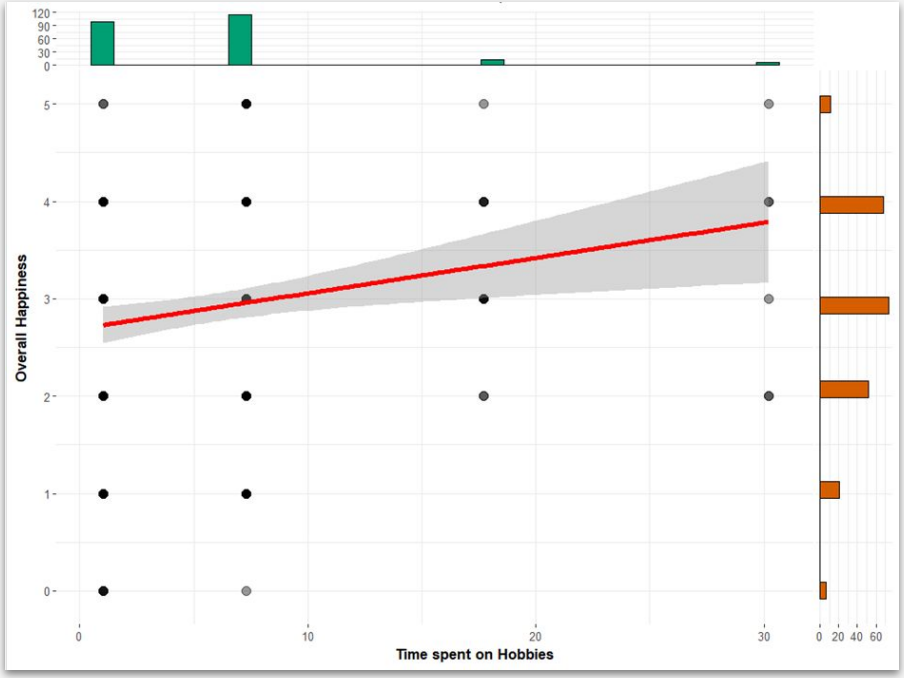
Time spent on Hobbies v/s Happiness





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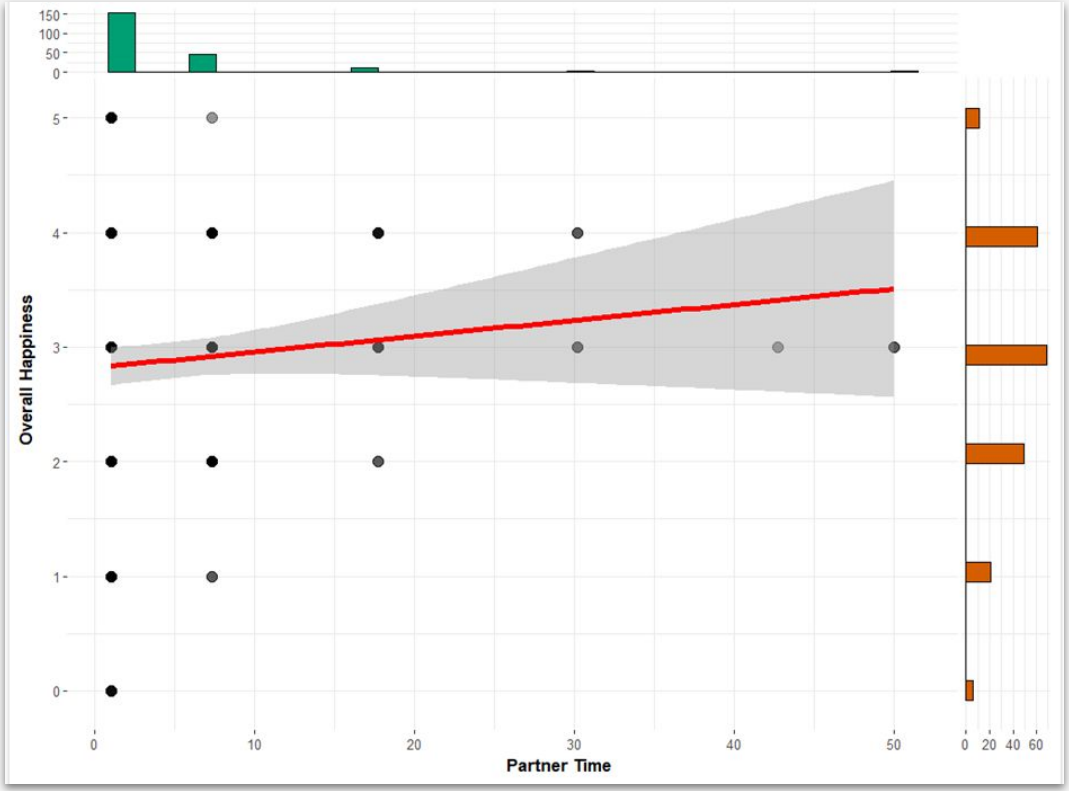
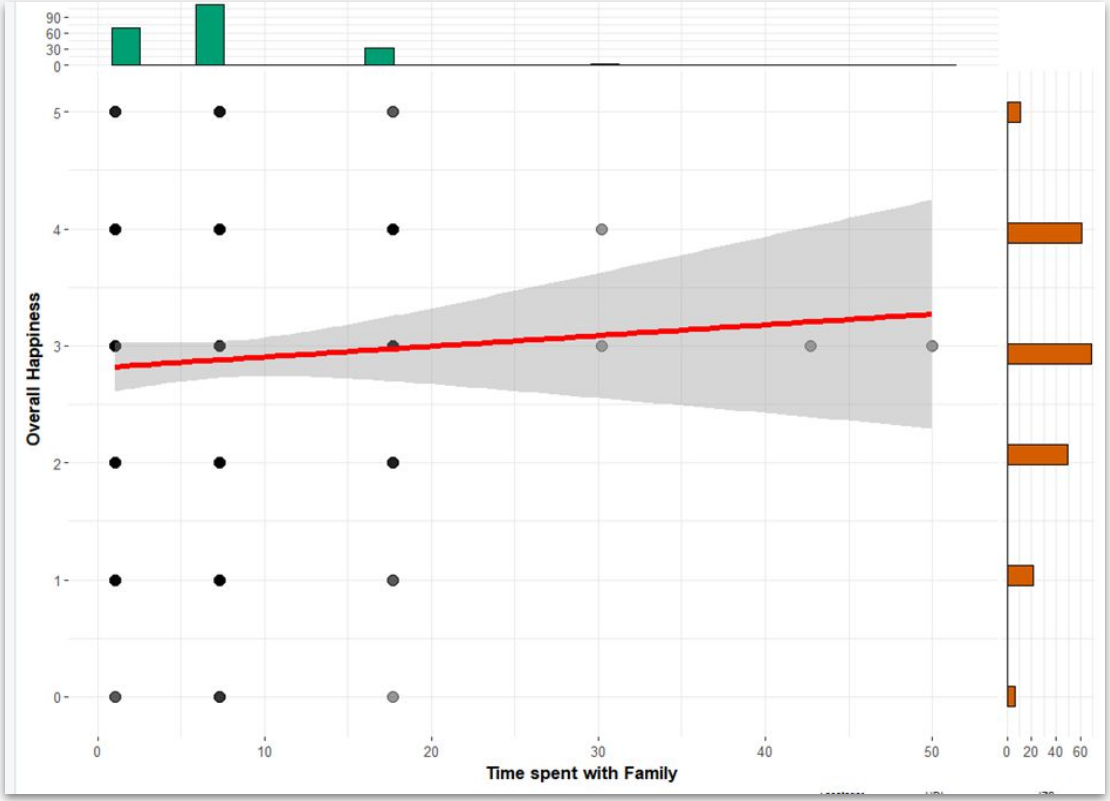
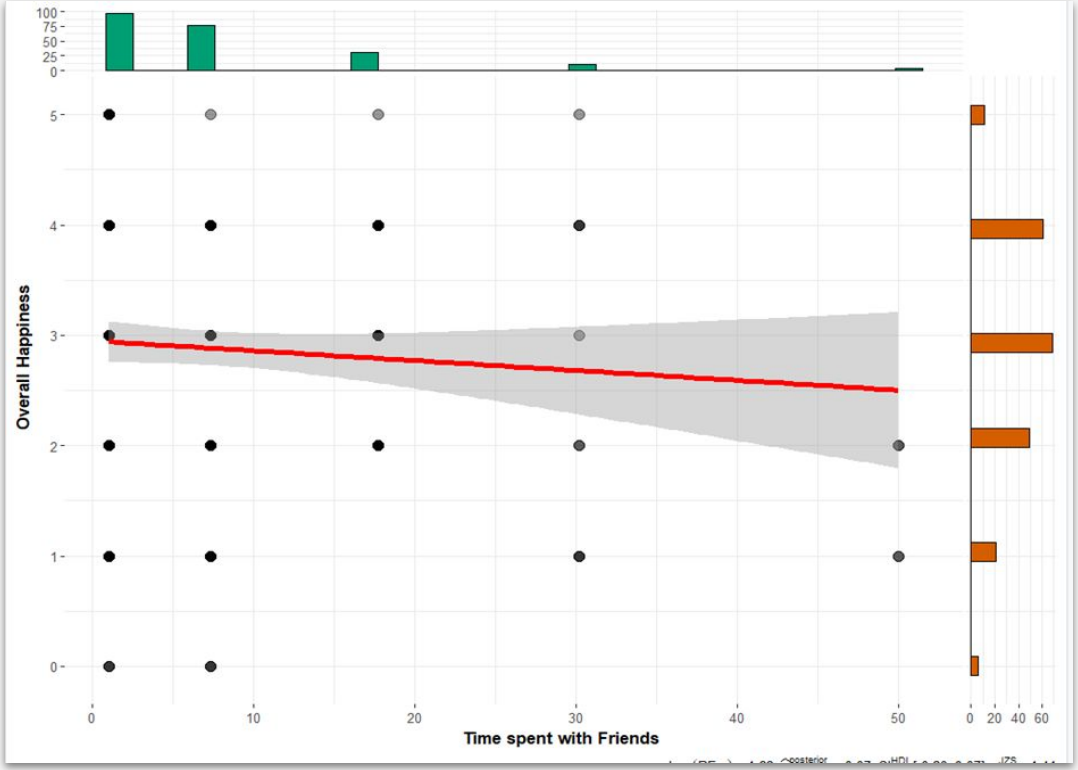
Time spent with Partner v/s Happiness (Diverse Data)



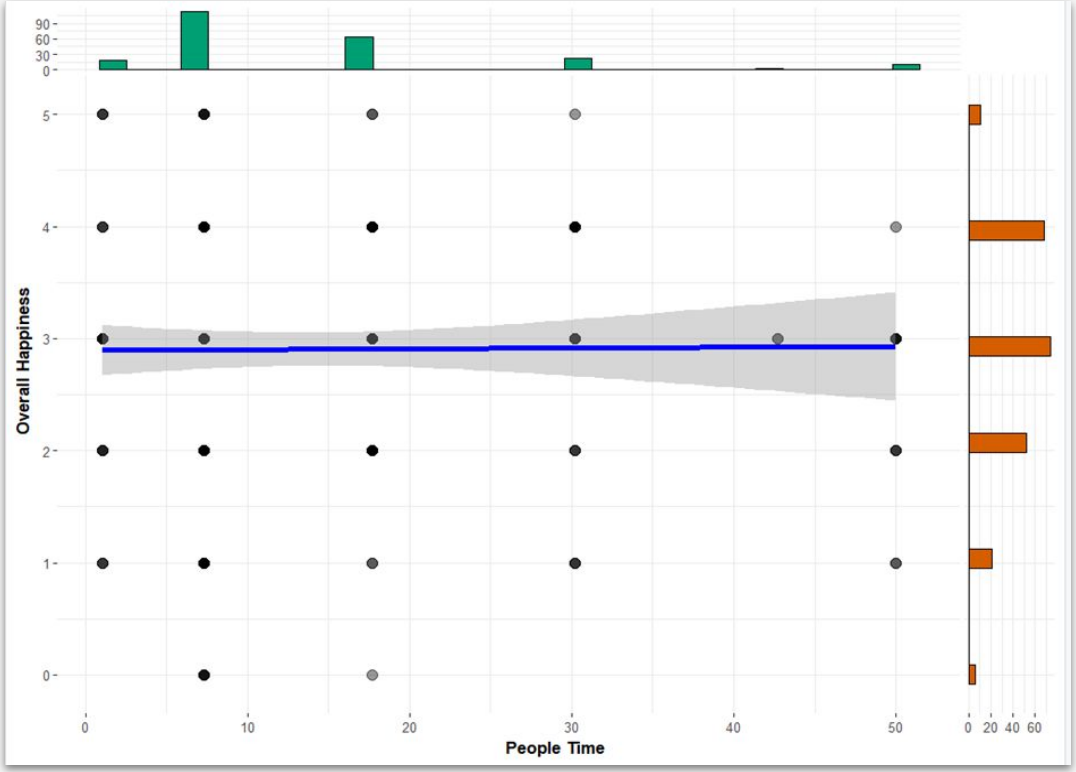
Time spent with Partner v/s Happiness (Diverse Data)



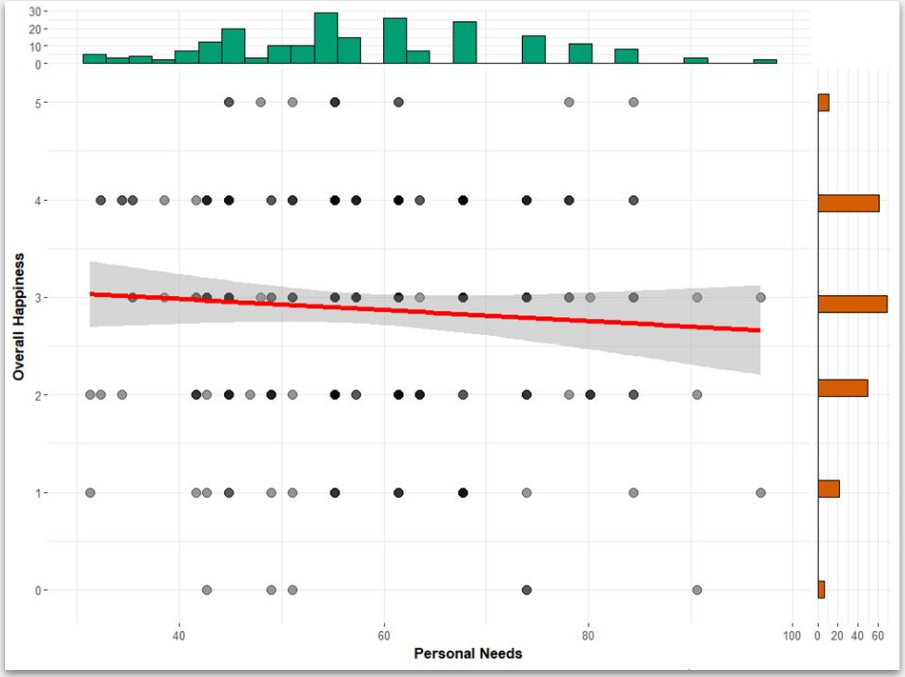
Time spent with Friends v/s Happiness (Diverse Data)



People time v/s Happiness (Constrained Data)



Time spent on Personal need v/s Happiness



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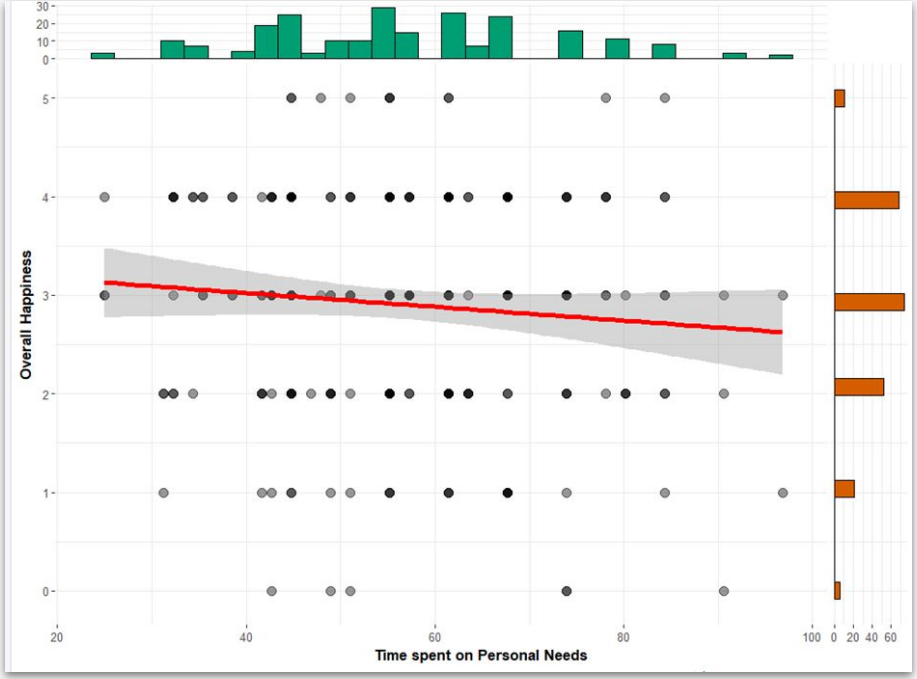

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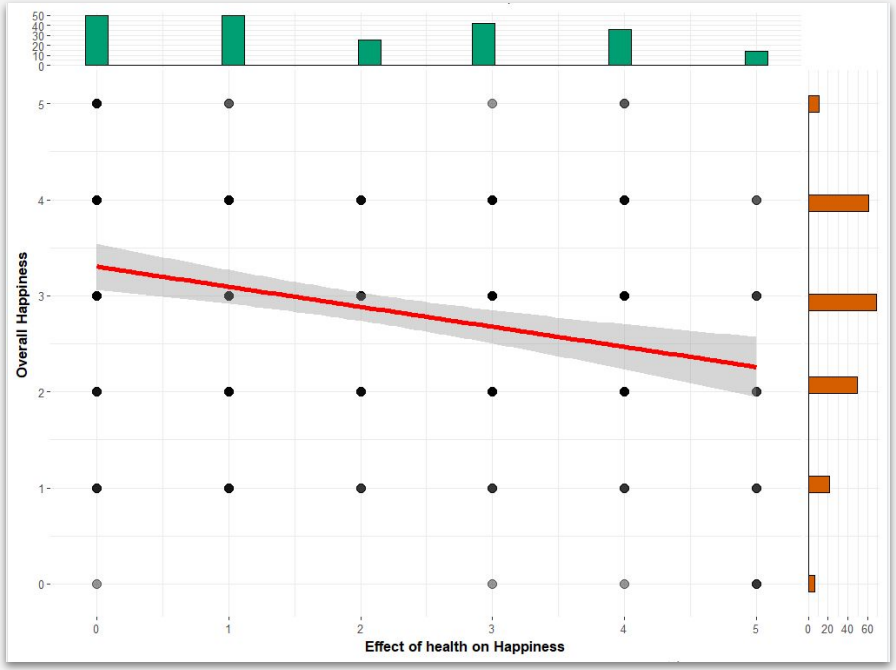
Health Issues v/s Happiness



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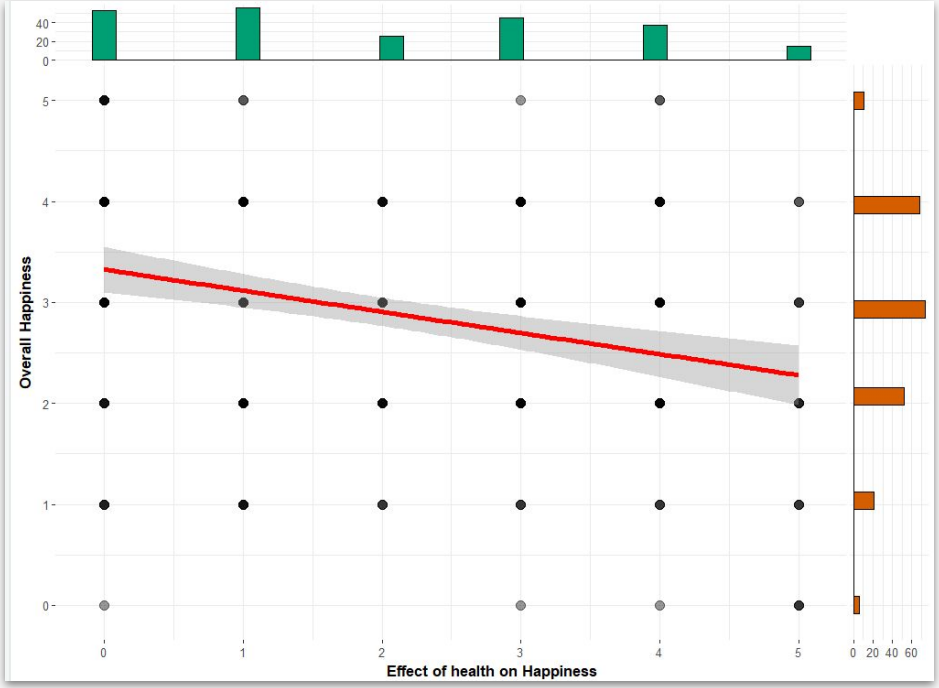

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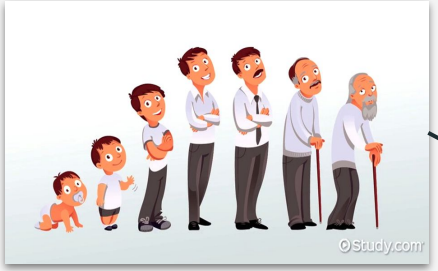
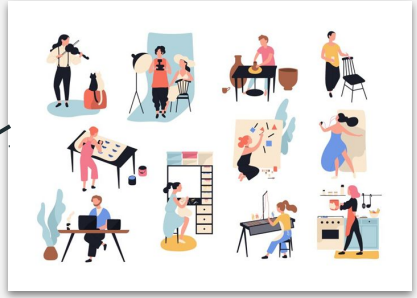
Ready to connect the dots?

Here are our summary and key takeaways...

Quantitative variables which have **POSITIVE relationship** with Happiness



Age



Time spent on hobbies

Time spent with Family

Time spent with Partner

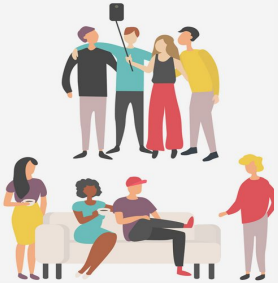
Quantitative variables which have **NEGATIVE relationship** with Happiness

Effect of Health issues on Happiness

Time Spent with Friends

Quantitative variables which have **NO or negligible relationship** with Happiness

Study/Work Time



People Time

Time Spent on Personal Needs

Annual Income

Relationship of Qualitative variables with Happiness

1. Current residence

Rural Residents
(HAPPIER)

Urban Residents

2. Employment Status

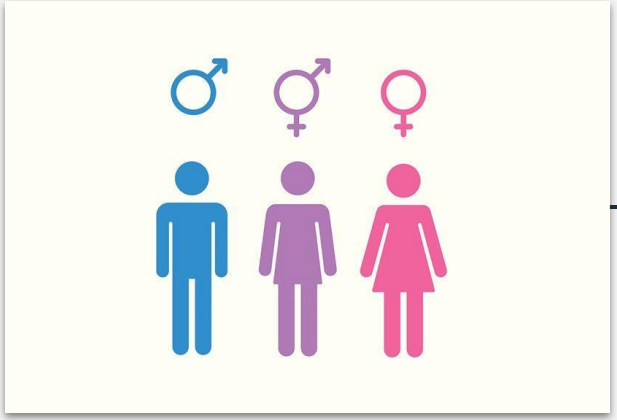
Self Employed

(HAPPIEST)

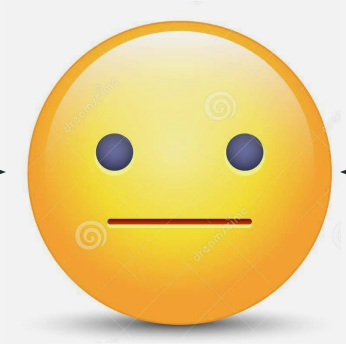
Full Time Employed

Unemployed

Qualitative variables that have **NO EFFECT** on Happiness



Gender



Student Status

However.....

Happiness is not limited to the factors we worked with. It is difficult to define and understand in a universal sense.

Thank you!